Chapter 12

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3tier architecture	ADC QS is based on three different layers. Client (presentation) layer: user interface showing the data. Business Object (Application) layer: contains the business logic. Data layer: stores the data and provides the interface to legacy systems.
ADC	**A**gfa **D**iagnostic **C**enter
ADC - QS	**A**gfa **D**iagnostic **C**enter – **Q**uality **S**ystem
ADC QS Task Manager	ADC QS component to configure, start and stop background tasks (e.g. routing, automatic deletion). It centralizes the management of different tasks like system related tasks (e.g. disk monitoring) and procedure step related tasks (tasks depending on the procedure step status, e.g. print, archive, distribute).
Advanced QC Viewer	ADC QS application for previewing and advanced possibilities for image manipulations (e.g. annotations, MUSICA processing, measurements)
AE-title	**A**pplication **E**ntity Title: used to identify systems/applications within the DICOM protocol.
Basic QC Viewer	ADC QS application for previewing and basic image manipulations (e.g. window leveling)
BOS	Business Object Server. Application on ADC QS which manages the whole image and demographic data by means of a database. The BOS decides where and how to store, retrieve and manipulate data. It is the core of the ADC QS.
Business Object	Everything a certain treatment is done on.
CCM-Tool	Software tool to change the cpf-file.
Client Station	ADC QS Viewer to quickly view incoming images (also called Basic QC Viewer).
Collimation	Determination of the region in the image where the interesting data is at. On that region the image processing is applied..
COM/DCOM	**D**istributed **C**ommon **O**bject **M**odel. MS standard software to exchange messages between applications.
COMPAS	**Comp**act **A**pplication **S**erver
Configuration Viewer	ADC QS Viewer to configure and administer the Processing Station
cpf-file	**C**ustomer **P**arameter **F**ile. contains most of the configuration data in table form.

DICOM (protocol)	**D**igital **I**maging and **CO**mmunication in **M**edicine
DICOM Gateway	Application to receive images from CR-Digitizers
DLT – Archive	Tape library to archive images
Healthcare Model	Data model to structure patient and examination data in an hierarchical way in a medical environment.
HIS	**H**ospital **I**nformation **S**ystem
Hostname	Alias name of a device connected to a network.
ID – Viewer	ADC QS **Id**entification application of cassettes
IMPAX	AGFA's PACS (Picture Archiving and Communication System)
Interface	A well defined connecting point for devices and software.
IP - Address	(Internet Protocol Address) The standard method which identifies an internet connected computer.
IPD - Viewer	**I**nteractive **P**rocessing **D**isplay Viewer
Logfile	A file which records messages issued by the applications.
LUT	**L**ook **U**p **T**able
Meta Data	Data about data. Normally, meta data describes how data is to be interpreted by applications. An example for meta data is a mapping file.
multithreaded	Term in software language which means that tasks can be split up and then be treated in parallel. The goal is to better use the system resources (e.g. 2 CPUs) and thus speed up the processing of a Sw task.
MUSICA	**MU**LTIPLE **S**cale **I**mage **C**ontrast **A**mplification (Agfa Image Processing)
Near-line Storage	Archive
Network location	In an URL, the unique name that identifies an Internet server. A network location has two or more parts, separated by periods, as in my.network.location. Also called host name and Internet address.
NT Event Viewer	NT – tool to view logged messages. ADC QS uses this tool to log the messages.
NT Task Manager	NT – tool to monitor and kill processes running on a NT – system. In addition you can check the resources of the system.
Object	An object exists of data and methods
On-line Storage	Internal hard disks / cache
Oracle	Company that provides database software

PPD	**P**ostscript **P**rinter **D**efinition. Defines the capability of a postscript printer.
Pre - Viewer	Pulls a specific image automatically out of the server
Preview Monitor	Displays the image and the name of the patient. This monitor enables to roughly check whether the exposure was successful.
Print Composer	ADC QS Viewer to create a layout for images to be printed.
Print Spooler	Program which takes care that print jobs are managed in the background
Procedure	In healthcare terms a certain examination on a patient.
Procedure Step	In healthcare terms a substep of a procedure, i.e. a CR exam.
QC – Viewer	**Q**uality **C**ontrol Viewer
RIS	**R**adiology **I**nformation **S**ystem
Rislink	AGFA tool to connect to RIS-Systems.
Selector	Certain View in ADC QS to get an overview or to search for certain studies. This view is either based on character or on thumbnail images or both.
Series	Images belonging to a procedure step
Study	Same as Procedure Step
Task Agent	Comprises 1. Routing Task 2. Print Task 3. DICOM, PPS
TCP	**T**ransmission **C**ontrol **P**rotocol. Internet networking software that controls the transmission of packets of data over the Internet. Among its tasks, TCP checks for lost packets, puts the data from multiple packets into the correct order, and requests that missing or damaged packets be resent. Computers must run TCP to communicate with World Wide Web servers.
TCP/IP	**T**ransport **C**ontrol **P**rotocol / **I**nternet **P**rotocol. Common Protocol for Networks. Used in the Internet
Thumbnail	Iconized image of an original.
UI	**U**ser **I**nterface
UPS	**U**ninterruptible **P**ower **S**upply
W/L	**W**indow and **L**eveling
Worklist	A list that shows the user which studies (Procedure Steps) still have to be done at a certain modality (e.g. CT, MR, CR)
XML	E**x**tended **M**arkup **L**anguage